

Datasheet: MCA2096Z

BATCH NUMBER 173127

Description:	MOUSE ANTI HUMAN MAdCAM-1:Preservative Free
Specificity:	MAdCAM-1
Other names:	MUCOSAL ADDRESSIN CELL ADHESION MOLECULE-1
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	CA 102.2C1
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			
Functional Assays	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	None present

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen Bacterially expressed human MAdCAM-1.

External Database Links

UniProt:

[Q13477](#) [Related reagents](#)

Entrez Gene:

[8174](#) MADCAM1 [Related reagents](#)

RRID AB_324565

Specificity **Mouse anti Human MAdCAM-1 antibody, clone CA102.2C1** recognizes human mucosal addressin cell adhesion molecule -1, also known as MAdCAM-1. Human MAdCAM-1 is a 382 amino acid ~40-60 kDa single pass type 1 transmembrane glycoprotein expressed by vascular endothelium (UniProt :Q13477).

Mouse anti Human MAdCAM-1 antibody, clone CA102.2C1 has been reported to block the binding of human cells expressing alpha4 Beta7 to immobilized MAdCAM-1 *in vitro* ([Grant *et al.* 2001](#)).

References

1. Eksteen, B. *et al.* (2006) Epithelial inflammation is associated with CCL28 production and the recruitment of regulatory T cells expressing CCR10. [J Immunol. 177: 593-603.](#)
 2. Liaskou, E. (2010) MAdCAM-1 Expression and Function in Human Liver. [PhD Thesis, University of Birmingham, UK.](#)
 3. Liaskou, E. *et al.* (2011) Regulation of mucosal addressin cell adhesion molecule 1 expression in human and mice by vascular adhesion protein 1 amine oxidase activity. [Hepatology. 53: 661-72.](#)
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Storage

Store at -20° only.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the product. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

Health And Safety Information

Material Safety Datasheet documentation #10162 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2096Z>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG (STAR77...)	HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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